

How to change: Mercedes Vito W638 rear shock absorbers – replacement guide

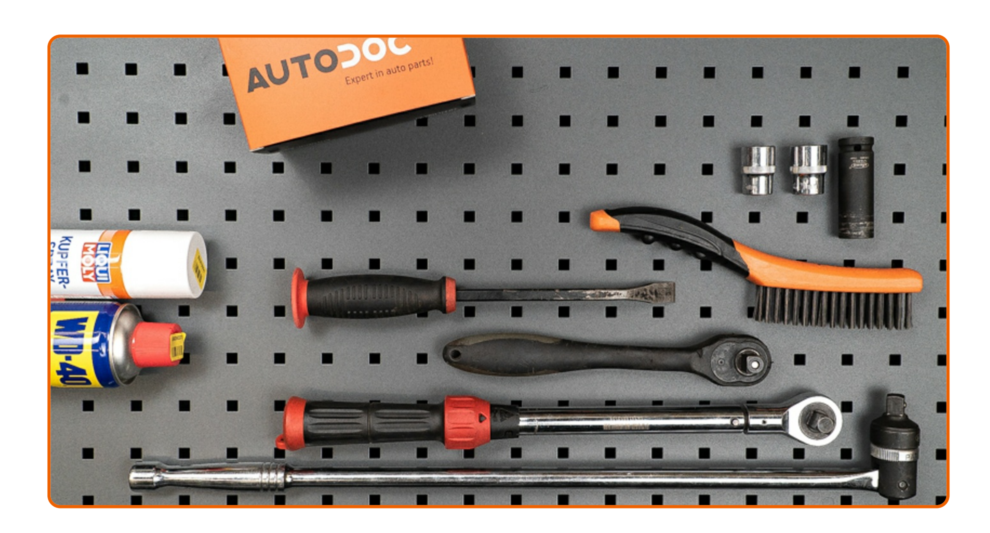
 VIDEO TUTORIAL

Important!

This replacement procedure can be used for:
MERCEDES-BENZ V-CLASS (638/2) V 200 CDI (638.294), MERCEDES-BENZ V-CLASS (638/2) V 220 CDI (638.294), MERCEDES-BENZ VITO Box (638) 112 CDI 2.2 (638.094), MERCEDES-BENZ VITO Bus (638) 112 CDI 2.2 (638.194)

The steps may slightly vary depending on the car design.

REPLACEMENT: SHOCK ABSORBERS – MERCEDES VITO W638. TOOLS YOU'LL NEED:



- Wire brush
- WD-40 spray
- Copper grease
- Drive socket # 21
- Wheel impact socket #17
- Torque wrench
- Tap wrench
- Crow bar
- Hydraulic transmission jack
- Wheel chock

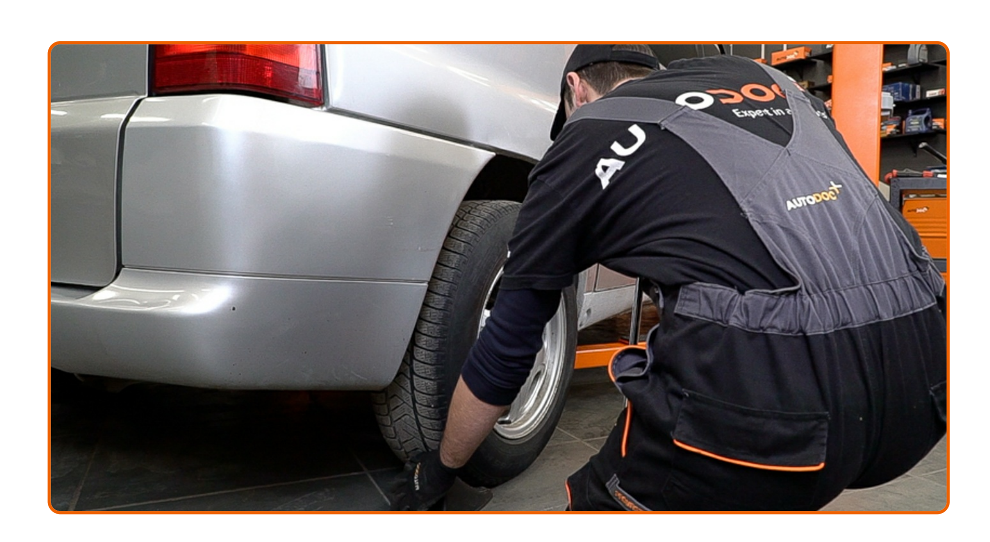


Replacement: shock absorbers – Mercedes Vito W638. AUTODOC recommends:

- Both shock absorbers of the rear suspension should be replaced simultaneously.
- The replacement procedure is identical for the left and right shock absorbers of the rear suspension.
- All work should be done with the engine stopped.

REPLACEMENT: SHOCK ABSORBERS – MERCEDES VITO W638. USE THE FOLLOWING PROCEDURE:

1



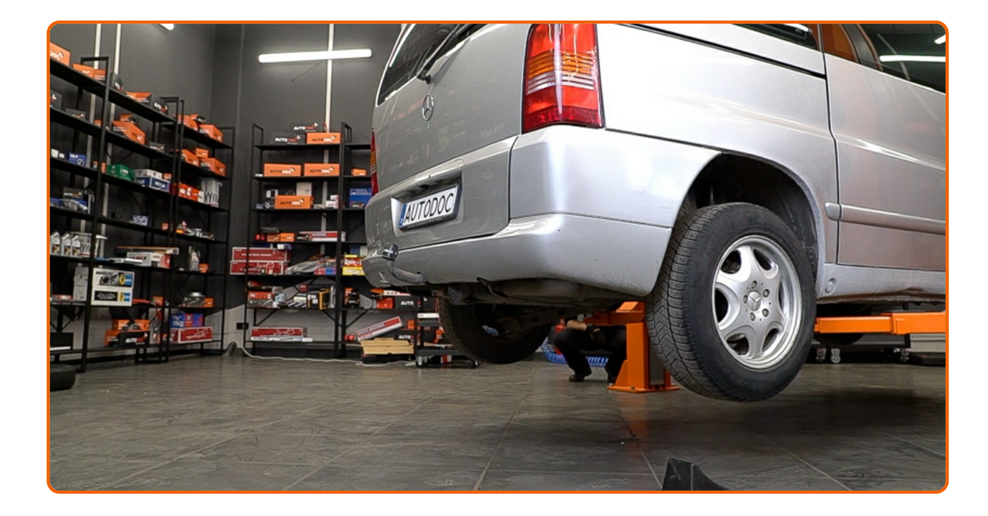
Secure the wheels with chocks.

2



Loosen the wheel mounting bolts. Use wheel impact socket #17.

3



Raise the rear of the car and secure on supports.

4



Unscrew the wheel bolts.

Replacement: shock absorbers – Mercedes Vito W638. Tip:

- To avoid injury, hold up the wheel when unscrewing the bolts.

5



Remove the wheel.

6



Support the rear suspension beam. Use a hydraulic transmission jack.

7.1



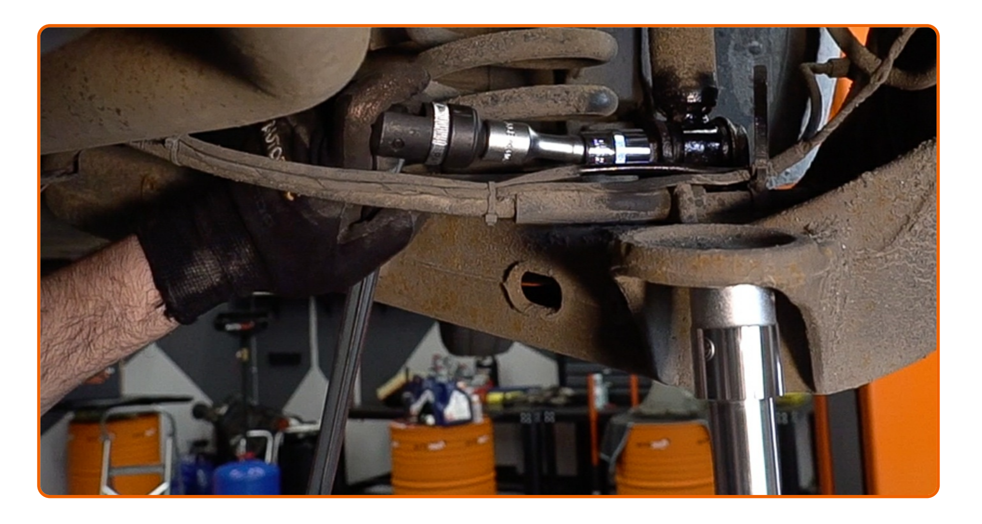
Clean the shock absorber fasteners.

7.2



Use a wire brush. Use WD-40 spray.

8



Unscrew the lower fastener of the shock absorber. Use a drive socket #21. Use a crowbar. Use a tap wrench.

9



Remove the fastening bolt.

10



Detach the lower part of the shock absorber. Use a crowbar.

11



Lower the hydraulic transmission jack by 10-15 cm.

AUTODOC recommends:

- Replacement: shock absorbers – Mercedes Vito W638. Lower the transmission jack smoothly, without jerks, to avoid damaging components and mechanisms.

12



Unscrew the upper fastener of the shock absorber. Use a drive socket #21. Use a tap wrench.



AUTODOC recommends:

- Important! Hold the shock absorber while unscrewing the fastening bolts. Mercedes Vito W638

13



Remove the shock absorber.

Replacement: shock absorbers – Mercedes Vito W638. Tip:

- Before installing a new shock absorber you should pump it manually 3-5 times.

14



Place the shock absorber in the wheel arch and fasten it.

Replacement: shock absorbers – Mercedes Vito W638. AUTODOC recommends:

- To avoid injury, hold the shock absorber cautiously tight when screwing in the fastening bolts.

15



Screw the upper fastener of the shock absorber. Use a drive socket #21.

16



Treat the shock absorber mounting seats. Use WD-40 spray.

17



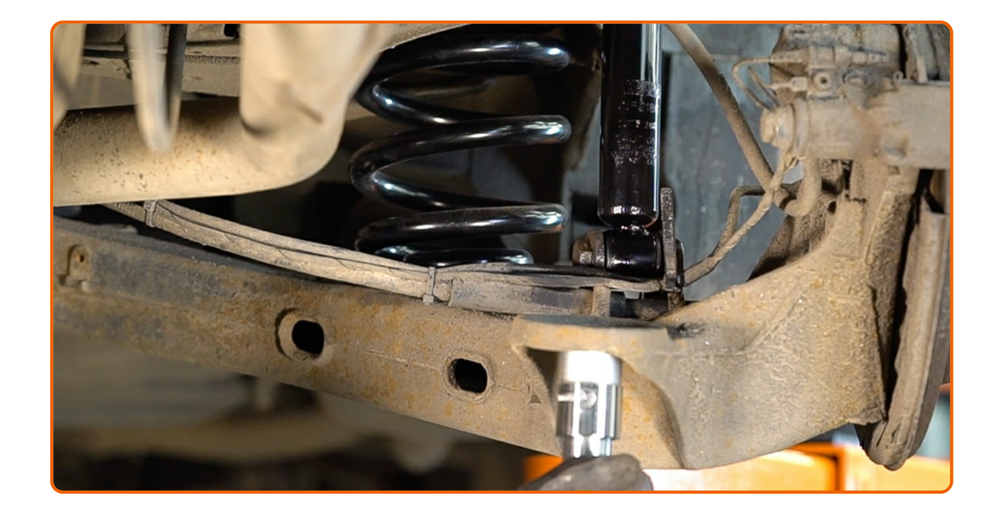
Attach the lower part of the shock absorber. Install the fastening bolt.

18



Screw in the lower fastener of the shock absorber. Use a drive socket #21.

19



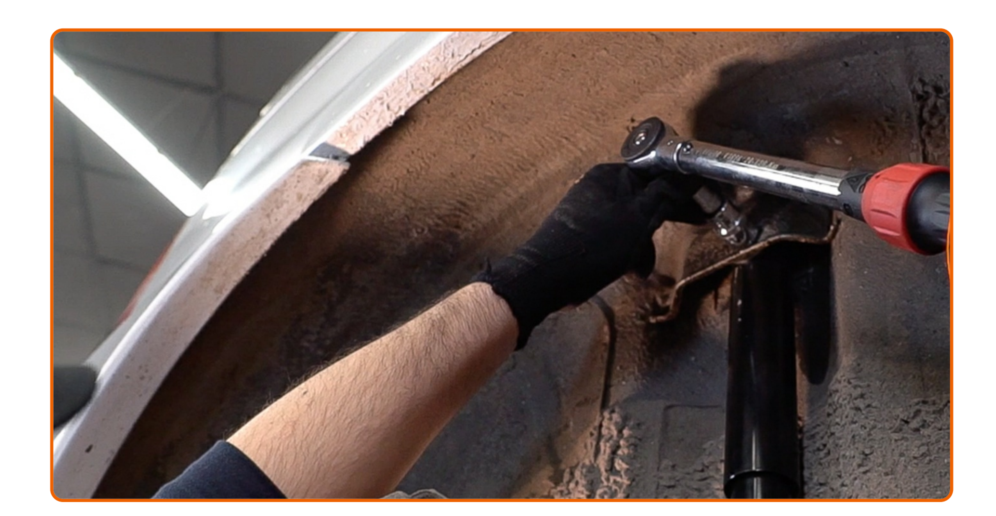
Support the rear suspension beam. Use a hydraulic transmission jack.

20



Tighten the lower fastener of the shock absorber. Use a drive socket #21. Use a torque wrench. Tighten it to 80 Nm torque.

21



Remove the mounting from under the rear axle beam.

AUTODOC recommends:

- Mercedes Vito W638 – Do not lower the transmission jack sharply to avoid damaging components and mechanisms of the car.

22



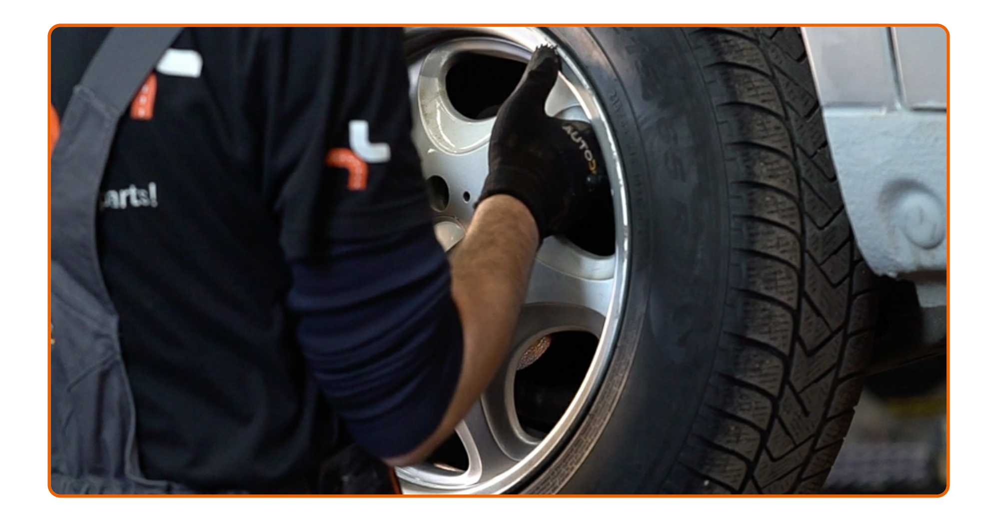
Tighten the top shock absorber fastening. Use a drive socket #21. Use a torque wrench. Tighten it to 50 Nm torque.

23



Clean the wheel rim mounting seat. Use a wire brush. Treat the contacting surface. Use copper grease.

24



Install the wheel.

Replacement: shock absorbers – Mercedes Vito W638. AUTODOC experts recommend:

- To avoid injury, hold up the wheel when screwing in the fastening bolts.

25



Screw in the wheel bolts. Use wheel impact socket #17.

26



Lower the car and working in a cross order, tighten the wheel bolts. Use a torque wrench. Tighten it to 112 Nm torque.

27



Remove the jacks and chocks.



DID YOU FIND THESE INSTRUCTIONS HELPFUL?

YES

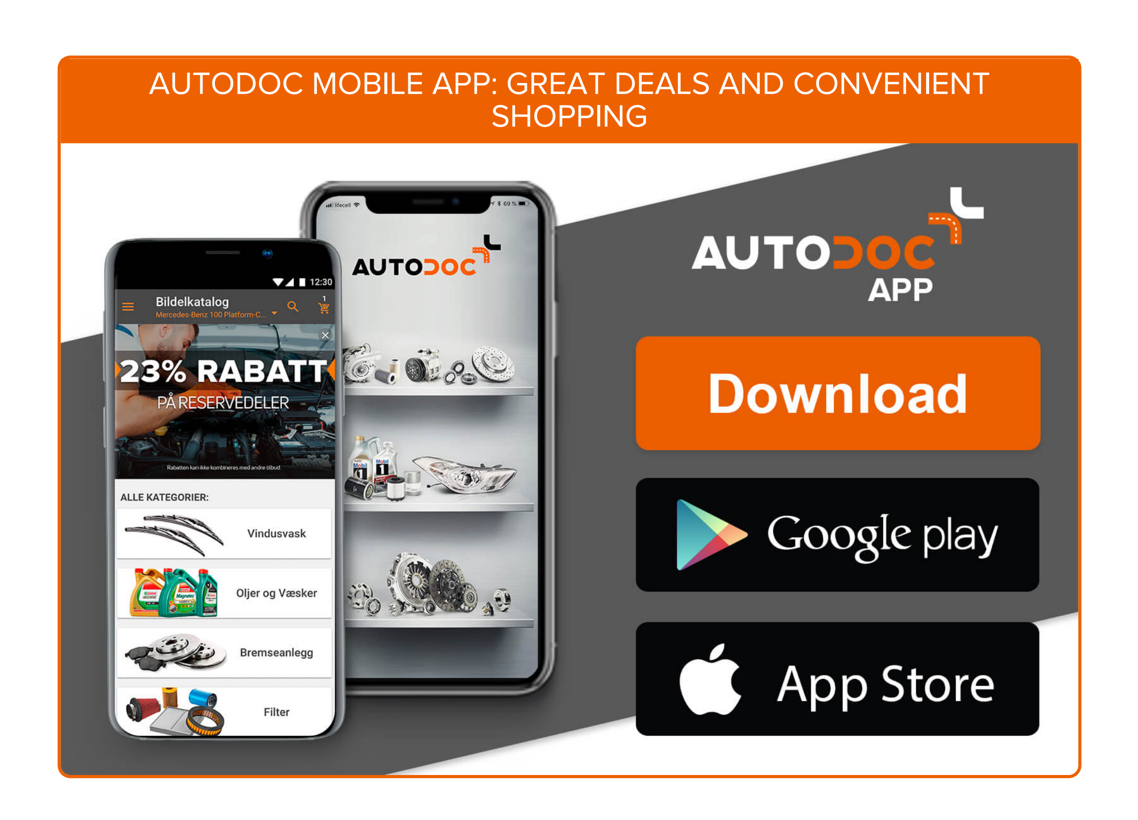
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